Journal of Fluid Mechanics Volume 453 25 February 2002

Y. Wang, D. Papageorgiou & C. Maldarelli	Using surfactants to control the formation and size of wakes behind moving bubbles at order-one Reynolds numbers	1
J. E. Hart	Ferromagnetic rotating Couette flow: the role of magnetic viscosity	21
J. C. Patterson, T. Graham, W. Schöpf & S. W. Armfield	Boundary layer development on a semi-infinite suddenly heated vertical plate	39
W. Schoppa & F. Hussain	Coherent structure generation in near-wall turbulence	57
D. D. Joseph, G. S. Beavers & T. Funada	Rayleigh–Taylor instability of viscoelastic drops at high Weber numbers	109
O. Pouliquen & Y. Forterre	Friction law for dense granular flows: application to the motion of a mass down a rough inclined plane	133
S. Miladinova, S. Slavtchev, G. Lebon & J.-C. Legros	Long-wave instabilities of non-uniformly heated falling films	153
R. A. King & K. S. Breuer	Oblique transition in a laminar Blasius boundary layer	177
M. Salinas Vázquez & O. Métais	Large-eddy simulation of the turbulent flow through a heated square duct	201
A. N. Ross, P. F. Linden & S. B. Dalziel	A study of three-dimensional gravity currents on a uniform slope	239
P. B. Weichman & R. E. Glazman	Spatial variations of a passive tracer in a random wave field	263
X. Wu	Generation of sound and instability waves due to unsteady suction and injection	289
R. J. Hill & D. L. Koch	Moderate-Reynolds-number flow in a wall-bounded porous medium	315
U. Burr & U. Müller	Rayleigh–Bénard convection in liquid metal layers under the influence of a horizontal magnetic field	345
T. Maxworthy, J. Leilich, J. E. Simpson & E. H. Meiburg	The propagation of a gravity current into a linearly stratified fluid	371
F. Risso & K. Ellingsen	Velocity fluctuations in a homogeneous dilute dispersion of high-Reynolds-number rising bubbles	395
S. Liao & A. Campo	Analytic solutions of the temperature distribution in Blasius viscous flow problems	411
C. Andrieu, D. A. Beysens, V. S. Nikolayev & Y. Pomeau	Coalescence of sessile drops	427

BOOK REVIEWS

Handbook of Shock Waves, Volumes 1, 2 and 3, edited by G. Ben-Dor, O. Igra & T. Elperin 439

SHORT NOTICES 443

INDEX TO VOLUME 453 444

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200202)453;1-3

Journal of Fluid Mechanics Volume 453 25 February 2002

Y. Wang, D. Papageorgiou & C. Maldarelli	Using surfactants to control the formation and size of wakes behind moving bubbles at order-one Reynolds numbers	1
J. E. Hart	Ferromagnetic rotating Couette flow: the role of magnetic viscosity	21
J. C. Patterson, T. Graham, W. Schöpf & S. W. Armfield	Boundary layer development on a semi-infinite suddenly heated vertical plate	39
W. Schoppa & F. Hussain	Coherent structure generation in near-wall turbulence	57
D. D. Joseph, G. S. Beavers & T. Funada	Rayleigh–Taylor instability of viscoelastic drops at high Weber numbers	109
O. Pouliquen & Y. Forterre	Friction law for dense granular flows: application to the motion of a mass down a rough inclined plane	133
S. Miladinova, S. Slavtchev, G. Lebon & J.-C. Legros	Long-wave instabilities of non-uniformly heated falling films	153
R. A. King & K. S. Breuer	Oblique transition in a laminar Blasius boundary layer	177
M. Salinas Vázquez & O. Métais	Large-eddy simulation of the turbulent flow through a heated square duct	201
A. N. Ross, P. F. Linden & S. B. Dalziel	A study of three-dimensional gravity currents on a uniform slope	239
P. B. Weichman & R. E. Glazman	Spatial variations of a passive tracer in a random wave field	263
X. Wu	Generation of sound and instability waves due to unsteady suction and injection	289
R. J. Hill & D. L. Koch	Moderate-Reynolds-number flow in a wall-bounded porous medium	315
U. Burr & U. Müller	Rayleigh–Bénard convection in liquid metal layers under the influence of a horizontal magnetic field	345
T. Maxworthy, J. Leilich, J. E. Simpson & E. H. Meiburg	The propagation of a gravity current into a linearly stratified fluid	371
F. Risso & K. Ellingsen	Velocity fluctuations in a homogeneous dilute dispersion of high-Reynolds-number rising bubbles	395
S. Liao & A. Campo	Analytic solutions of the temperature distribution in Blasius viscous flow problems	411
C. Andrieu, D. A. Beysens, V. S. Nikolayev & Y. Pomeau	Coalescence of sessile drops	427

BOOK REVIEWS

Handbook of Shock Waves, Volumes 1, 2 and 3, edited by G. Ben-Dor, O. Igra & T. Elperin 439

SHORT NOTICES 443

INDEX TO VOLUME 453 444

CAMBRIDGE UNIVERSITY PRESS

Cambridge Journals Online
journals.cambridge.org

0022-1120(200202)453;1-3